

Amendments to the Claims

1. (Currently Amended) ~~An interactive~~ processing system comprising at least a user terminal in a user location, a server coupled to said user terminal, a communication network, and an interface device located between said network and said user terminal, ~~said system being characterized in that said interface device comprises~~ comprising:

- (a) means for formatting incoming data received from said terminal into packets identified by headers and ready to be sent towards said network;
- (b) means for identifying packets received from the network and forwarding them to the terminal;
- (c) means for managing and controlling the network resources and handling a delivery monitoring service of said packets on the network according to said resources, comprising:
 - a receiving stage for receiving incoming packets from the network;
 - an analysis stage for analyzing the incoming packets;
 - a statistics processing stage for computing statistics based on analysis provided by the analysis stage; and
 - a formatting stage for creating packets to be sent toward said network.

2. (Currently Amended) The ~~interactive~~ processing system of claim 1, wherein the means for formatting incoming data received from said terminal into packets identified by headers is configured to:

- format the incoming data into real-time protocol (RTP) packets; and
- send the RTP packets with RTP headers towards the network.

3. (Currently Amended) The ~~interactive~~ processing system of claim 1, wherein the means for identifying packets received from the network and forwarding them to the terminal is configured to:

receive real-time protocol (RTP) packets from the network;
~~control some parameters;~~ and
store data in view of their transmission to a current application running on the user terminal.

4. (Currently Amended) The ~~interactive~~ processing system of claim 1, wherein the receiving stage receives real-time control protocol (RTCP) packets arriving from the network.

5. (Currently Amended) The ~~interactive~~ processing system of claim 4, wherein the analysis stage analyzes the (RTCP) packets arriving from the network.

6. (Currently Amended) The ~~interactive~~ processing system of claim 5, wherein the statistics processing stage computes statistics when real-time protocol (RTP) packets are received from the network and when RTCP packets are received or sent.

7. (Currently Amended) The ~~interactive~~ processing system of claim 6, wherein the statistics computed when real-time protocol (RTP) packets are received from the network comprise at least one of a number of RTP packets received, packet loss, and delays.

8. (Currently Amended) The ~~interactive~~ processing system of claim 6, wherein the statistics computed when RTCP packets are received or sent comprise an error rate.